WEST Search History

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DATE: Thursday, May 04, 2006

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ		
☐	L7	L6 and l2	7
☐	L6	l1 and L4	63
☐	L5	s l1 and L4	0
☐	L4	435/198.ccls.	830
☐	L3	human lysophospholipase.clm.	2
☐	L2	human lysophospholipase	27
☐	L1	lysophospholipase	564

END OF SEARCH HISTORY

L9: Entry 4 of 5 File: USPT Oct 12, 1999

US-PAT-NO: 5965423
DOCUMENT-IDENTIFIER: US 5965423 A
**** See image for Certificate of Correction ****

TITLE: Human lysophospholipase

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hillman; Jennifer L.	Mountain View	CA		
Shah; Purvi	Sunnyvale	CA		
Murry; Lynn E.	Portola Valley	CA		

US-CL-CURRENT: 435/198; 435/252.3, 435/252.33, 435/254.11, 435/254.3, 435/320.1, 435/325, 435/419, 536/23.2, 536/24.31

CLAIMS:

What is claimed is:

1. An isolated and purified polynucleotide encoding the polypeptide of SEQ ID NO:3.

2. An isolated and purified polynucleotide which is completely complementary to the polynucleotide of claim 1.

3. An isolated and purified polynucleotide comprising bases 76 to 765 of the polynucleotide sequence set forth in SEQ ID NO:4.

4. An isolated and purified polynucleotide having a sequence completely complementary to the polynucleotide of claim 1.

5. An expression vector comprising the polynucleotide sequence of claim 1.

6. A host cell comprising the expression vector of claim 5.

7. A method for producing a polypeptide comprising a sequence of SEQ ID NO:3, the method comprising the steps of:

(a) culturing the host cell of claim 6 under conditions suitable for the expression of the polypcptide; and

(b) recovering the polypeptide from the host cell culture.

8. A method for detecting a polynucleotide encoding a polypeptide comprising the amino acid sequence of SEQ ID NO:3 in a biological sample containing nucleic acids, the method comprising the steps of:

(a) hybridizing the polynucleotide of claim 2 to at least one of the nucleic acids of the biological sample, thereby forming a hybridization complex; and

(b) detecting the hybridization complex, wherein the presence of the hybridization complex correlates with the presence of a polynucleotide encoding the polypeptide in the biological sample.

9. The method of claim 8 wherein the nucleic acids of the biological sample are amplified by the polymerase chain reaction prior to the hybridizing step.

Previous Doc Next Doc Go to Doc#

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=> file medline hcaplus biosis embase
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'MEDLINE' ENTERED AT 16:19:59 ON 04 MAY 2006

FILE 'HCAPLUS' ENTERED AT 16:19:59 ON 04 MAY 2006
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=> s human lysophospholipase and brain
L1             5 HUMAN LYSOPHOSPHOLIPASE AND BRAIN

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2             2 DUP REM L1 (3 DUPLICATES REMOVED)

=> d l2 1-2 ibib ab

L2   ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2002:706480  HCAPLUS
DOCUMENT NUMBER:          137:211967
TITLE:                    Human lysophospholipase-like
                          protein, protein and cDNA sequences, recombinant
                          production and therapeutic uses
INVENTOR(S):              Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S):       Bode Gene Development Co., Ltd., Shanghai, Peop. Rep.
                          China
SOURCE:                   Faming Zhuanli Shenqing Gongkai Shuomingshu, 33 pp.
                          CODEN: CNXXEV
DOCUMENT TYPE:            Patent
LANGUAGE:                 Chinese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     --------------       ----   --------    --------------------    --------
     CN 1328147            A     20011226    CN 2000-116419          20000612
PRIORITY APPLN. INFO.:                       CN 2000-116419          20000612
AB   The invention relates to a human lysophospholipase
     -like protein, designated as phospholipase 49.06.  The open reading frame
     of the cDNA encodes a protein with 446 amino acids, and an estd. mol. wt.
     of 49 kilodalton based on SDS-PAGE.  The invention provides the use of
     polypeptide and polynucleotide in a method for treatment of various kinds
     of diseases, such as cancer, blood disease, HIV infection, immune
     diseases, cholesterol metabolic disease, and inflammation.  The invention
     also relates to methods, expression vectors and host cells for recombinant
     prodn. of said lysophospholipase 49.06.  The invention also relates to
     agonist and antagonist of said lysophospholipase 49.06 and uses in
     therapy.  The invention found that the expression profile of said
     lysophospholipase 49.06 in some animal cell lines and tissues was similar
     to that of human LCAT-like lysophospholipase.

L2   ANSWER 2 OF 2     MEDLINE on STN                    DUPLICATE 1
ACCESSION NUMBER:   1999165587     MEDLINE
DOCUMENT NUMBER:    PubMed ID: 10064899
TITLE:              A specific human lysophospholipase:
```

cDNA cloning, tissue distribution and kinetic characterization.

AUTHOR: Wang A; Yang H C; Friedman P; Johnson C A; Dennis E A
CORPORATE SOURCE: Department of Chemistry and Biochemistry, University of California at San Diego, La Jolla, CA 92093-0601, USA.
CONTRACT NUMBER: GM 2050 (NIGMS)
GM 51606 (NIGMS)
HD 26171 (NICHD)
SOURCE: Biochimica et biophysica acta, (1999 Feb 25) Vol. 1437, No. 2, pp. 157-69.
Journal code: 0217513. ISSN: 0006-3002.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199904
ENTRY DATE: Entered STN: 26 Apr 1999
Last Updated on STN: 11 May 2002
Entered Medline: 13 Apr 1999

AB Lysophospholipases are critical enzymes that act on biological membranes to regulate the multifunctional lysophospholipids; increased levels of lysophospholipids are associated with a host of diseases. Herein we report the cDNA cloning of a human **brain** 25 kDa lysophospholipid-specific lysophospholipase (hLysoPLA). The enzyme (at both mRNA and protein levels) is widely distributed in tissues, but with quite different abundances. The hLysoPLA hydrolyzes lysophosphatidylcholine in both monomeric and micellar forms, and exhibits apparent cooperativity and surface dilution kinetics, but not interfacial activation. Detailed kinetic analysis indicates that the hLysoPLA binds first to the micellar surface and then to the substrate presented on the surface. The kinetic parameters associated with this surface dilution kinetic model are reported, and it is concluded that hLysoPLA has a single substrate binding site and a surface recognition site. The apparent cooperativity observed is likely due to the change of substrate presentation. In contrast to many non-specific lipolytic enzymes that exhibit lysophospholipase activity, hLysoPLA hydrolyzes only lysophospholipids and has no other significant enzymatic activity. Of special interest, hLysoPLA does not act on plasmenylcholine. Of the several inhibitors tested, only methyl arachidonyl fluorophosphonate (MAFP) potently and irreversibly inhibits the enzymatic activity. The inhibition by MAFP is consistent with the catalytic mechanism proposed for the enzyme - a serine hydrolase with a catalytic triad composed of Ser-119, Asp-174 and His-208.

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=> d his

     (FILE 'HOME' ENTERED AT 16:19:31 ON 04 MAY 2006)

     FILE 'MEDLINE, HCAPLUS, BIOSIS, EMBASE' ENTERED AT 16:19:59 ON 04 MAY 2006
L1             5 S HUMAN LYSOPHOSPHOLIPASE AND BRAIN
L2             2 DUP REM L1 (3 DUPLICATES REMOVED)

=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    8.18       8.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -0.75      -0.75

STN INTERNATIONAL LOGOFF AT 16:22:05 ON 04 MAY 2006
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